

LILY PLANT NAMED 'MANISSA'

Latin name of the genus and species of the plant claimed:

Lilium L. hybrid (oriental x aurelian)

Variety denomination:

5 Manissa

BACKGROUND OF THE INVENTION

This application is based on U.S. provisional plant patent application serial no. 60/392,042, filed June 28, 2002.

10 The present invention comprises a new and distinct cultivar of lily plant, botanically known as *Lilium L. (oriental x aurelian)*, and hereinafter referred to by the cultivar name 'Manissa'.

'Manissa' is a product of a planned breeding program which had the objective of creating new lily cultivars having many large, upright flowers and vigorous growth habit.

15 'Manissa' originated from a hybridization made by the inventor, Cees A. van der Voort, in a controlled breeding program in Rijnsburg, the Netherlands in October, 1997. Both the female and male parents are unnamed proprietary *Lilium L.* seedlings.

20 'Manissa' was discovered and selected as one flowering plant within the progeny of the stated cross by the inventor in October, 1997 in a controlled environment in Rijnsburg, the Netherlands.

The first act of asexual reproduction of 'Manissa' was accomplished when scales were taken from the initial selection in a controlled

environment in Rijnsburg, the Netherlands by, or under the supervision of,
Cees A. van der Voort. Horticultural examination of selected plants has
demonstrated that the combination of characteristics as herein disclosed for
'Manissa' are firmly fixed and are retained through successive generations of
5 asexual reproduction.

BRIEF DESCRIPTION OF THE INVENTION

The following traits have been repeatedly observed and are
determined to be basic characteristics of 'Manissa' which in combination
10 distinguish this lily as a new and distinct cultivar:

1. large, white flowers with bright yellow center color and
contrasting orange pollen; and
2. vigorous growth habit.

'Manissa' has not been observed under all possible environmental
15 conditions. The phenotype of the new cultivar may vary significantly with
variations in environment such as temperature, light intensity, and daylength
without any change in genotype.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying color photographic drawing shows a close-up view
20 of a typical plant of 'Manissa', with colors being as true as possible with
illustrations of this type. The photographic drawing shows the large, white
flowers with bright yellow center color and contrasting orange pollen, the
buds, and leaves of 'Manissa'.

DETAILED BOTANICAL DESCRIPTION

The following observations, measurements and values describe the new cultivar as grown in Rijnsburg, The Netherlands under conditions which
5 closely approximate those generally used in commercial practice. The plant is grown under controlled climate conditions, preferably in greenhouse constructions. Color references are made to the Royal Horticultural Society (RHS) Colour Chart (publication date 2001), except where general colors of ordinary significance are used. Color values were taken under daylight
10 conditions at approximately 12.00 p.m. in Rijnsburg, The Netherlands. The age of the plant described is about 90 days.

PARENTAGE:

Male Parent: Unnamed proprietary seedling (unpatented)
15 Female Parent: Unnamed proprietary seedling (unpatented)

PROPAGATION: Scales were taken from the bulbs

PLANT:

20 General Appearance and Form:

Height: Tall, 125 cm, depending on growing conditions

Flowering Season: All year round in controlled climate conditions,
in a greenhouse

Winter Hardiness/weather tolerance: None

Lastingness of the Individual Bloom: Minimum 21 days,
depending on storing conditions

Rooting Habit: Vigorous

5 Fragrance: Present

STEM DESCRIPTION:

Length: Long, 110 cm., depending growing conditions

Diameter: 3 mm

10 Strength: Strong

FOLIAGE:

Overall Shape of Leaf: Ovate

Quantity: Approximately 50 – 60, depending on growing conditions

15 Length: Medium to long, 12 cm, depending on growing conditions

Width: Medium to wide, 2.5 - 3 cm, depending on growing conditions

Texture: Minimal pubescence

Color of Upper Surface:

Mature leaf: Dark green – RHS 136A

20 Immature leaf: Dark green – RHS 136B

Color of Lower Surface:

Mature leaf: Dark green

Immature leaf: Dark green

Venation Color:

Upper surface: Medium green

Lower surface: Medium green

Petiole:

5 Length: 3 mm

Color: Green

FLOWERS:

Flower type and habit: Raceme

10 Flower size: Diameter – 13 cm

Overall shape: Generally hexagonal star in form and bowl-shaped in cross-section

Average number of flowers per lateral branch: 3, depending on growing conditions

15 Tepals:

Number of tepals: 6

Texture: Papillose

Tepal size: Long, 8 cm in length; medium to wide, 4 cm in width

Tepal Color:

20 Upper surface: Yellow RHS 12A, RHS 11D at the top

Lower surface: Yellow RHS 12D, RHS 11D at the top

BUD

Form: Tapering

Color: Green – RHS 143C

Length: 7 cm, depending on growing conditions

5 Diameter: 2.5 cm depending on growing conditions

Peduncles: 5 cm length, angle upright to horizontal, color medium
green

REPRODUCTIVE ORGANS:

Stamen:

10 Number: 6

Color: Yellowish green RHS 145C

Seeds: None

Fruit: None

Anthers:

15 Number: 6

Color: Green

Pollen:

Color: Greyed purple RHS 183B

Stigma:

20 Quantity: 1

Color: Orange brown

DISEASE RESISTANCE: No known information